

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

1.-20. (Cancelled)

21. (New) A loudspeaker, comprising:

a magnetic circuit;

a frame connected to said magnetic circuit; and

a loudspeaker diaphragm having an inner circumference which is connected to a voice coil embedded in a magnetic gap of said magnetic circuit, and an outer circumference being bonded to said frame;

wherein said loudspeaker diaphragm is manufactured in accordance with the steps of:

heating a molded resin speaker diaphragm; and

activating the surface of said loudspeaker diaphragm by applying plasma while keeping the temperature inside said reactive chamber below a heat deformation temperature of said loudspeaker diaphragm.

22. (New) A loudspeaker, comprising:

a magnetic circuit;

a frame connected to said magnetic circuit; and

a diaphragm for said loudspeaker having an inner circumference which is connected to a voice coil embedded in a magnetic gap of said magnetic circuit, and an outer circumference being bonded to said frame via an edge;

wherein said diaphragm for said loudspeaker is manufactured in accordance with the steps of:

heating a molded resin loudspeaker diaphragm; and

activating the surface of said loudspeaker diaphragm by applying plasma while keeping the temperature inside said reactive chamber below a heat deformation temperature of said loudspeaker diaphragm.

23. (New) A loudspeaker according to claim 21, wherein said loudspeaker diaphragm is further manufactured in accordance with one of injection molding and sheet forming.

24. (New) A loudspeaker according to claim 21, wherein said reactive chamber is disposed with a meshed metal frame inside said reactive chamber and with an electrode outside said reactive chamber.